



Weekly Summary Report

USEPA Oversight, Sauget Area 2, Sauget, IL

WA No. 224-RXBF-05XX / Contract No. 68-W6-0025

Week Ending Friday February 13, 2004

This report summarizes the Remedial Action (RA) work conducted by Solutia and its contractors from February 9, 2004 through February 13, 2004. The current RA fieldwork consists of site maintenance and equipment demobilization.

Contractors Onsite

Inquip Associates Inc. (barrier wall construction contractor)
URS (primary consultant for Solutia)

Work Performed This Week

Solutia Bankruptcy / Production Halt

Work at the site during the week continued with a minimal crew of Inquip operators and laborers performing site and trench maintenance activities. Inquip continued to demobilize unused equipment off site. The Liebherr 843 hydraulic clamshell rig was demobilized and parts were removed off site. Additionally, the two dump trucks (used for transporting spoils in the exclusion zone), the Deere 450 trackhoe, the frontloader, and pickup trucks were demobilized off site during the week. One small backhoe remains onsite for use in site maintenance activities.

Groundwater Migration Control System (GMCS)

The Groundwater Migration Control pumping system flow rate remained consistent throughout the week, at or near maximum pumping rates for each extraction well. The river elevation remained stable during the week at 379.7 ft above mean sea level (amsl) on February 13, in comparison to 379.4 ft amsl on February 6, 2004. The combined pumping rate of the system at the close of the week was 2,225 gallons per minute (gpm), or approximately 740 gpm per extraction well. All three extraction wells operated continuously through the week.

Two of the four piezometers upgradient of the barrier wall, P1S and P3E, generally showed water elevations lower than the river levels through the week. Piezometers P2E and P4E generally maintained water levels higher than the river during the week, though on February 13, as the river level increased slightly the water elevations in these piezometers became approximately even with the river level.

Table 1 shows the river and piezometer water elevations on February 13 (12:00 PM).

TABLE 1
River and Piezometer Water Elevations – February 13, 2004 (12:00 PM)

	Elevation (ft above mean sea level)
River Level	379.71
Piezometer 1S (northern-most)	378.32
Piezometer 2E	379.60
Piezometer 3E	378.38
Piezometer 4E (southern-most)	379.47

Stormwater

No stormwater activities occurred during the week.

Slurry Mixing

No fresh slurry was mixed during the week.

Barrier Wall Construction

No barrier wall construction activities occurred during the week.

The open trench remains at approximately 1,300 feet in length along the barrier wall alignment from station 23+60 towards station 10+60 (please refer to Solutia's map for locations.) The surface slurry in the open trench retained a thick layer of ice during the week, despite temperatures rising above freezing on some days. No backfill activities occurred during the week.

The trench depths were measured on one day during the week. The trench depth measurements from the morning of February 13 are shown in Table 2. The trench profile is depicted in Graph 1, in comparison to the trench profile last measured on January 23, 2004. Graph 2 shows the overall progress of the barrier wall construction. It was noted that at the south end of the barrier wall trench (between stations 10+60 and 11+60) the trench depth measured has decreased from the maximum excavated depth, indicating material settling in this end of the trench.

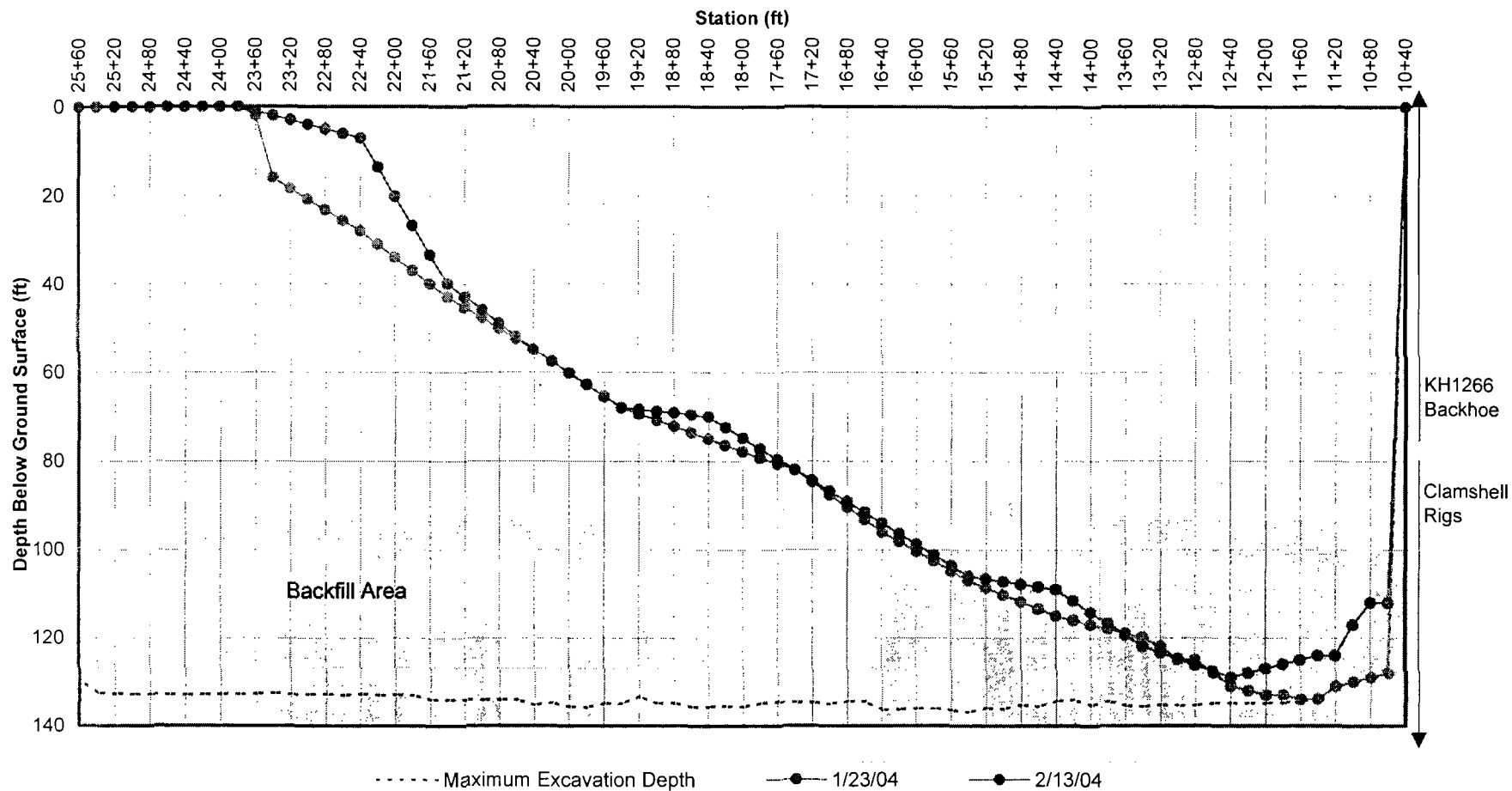
Fresh slurry was pumped from the holding ponds into the trench on one day during the week. Testing of fresh and trench slurry samples occurred on February 13, 2004. Slurry testing was performed during the week by Inquip. The slurry was tested for viscosity, density (unit weight), filtrate loss, pH and sand content. The results of the slurry samples generally met the specifications, except the bottom trench slurry sample exceeded the viscosity specification (120 seconds to pass through the Marsh Funnel, specification is 40 to 100 seconds.)

TABLE 2

Trench Profile (Downrigger Measurements) for the Barrier Wall Trench – February 13, 2004 (AM)

Station ID	Depth to bottom (ft below ground surface)
10+70	112
10+90	117
11+30	124
11+40	124
12+40	129
13+40	122
14+40	109
15+40	106
16+40	94
17+40	82
18+40	70
19+40	68
20+40	55
21+40	40

Graph 1 - Weekly Barrier Wall Construction Progress
Comparison between trench profiles measured January 23, 2004 and February 13, 2004

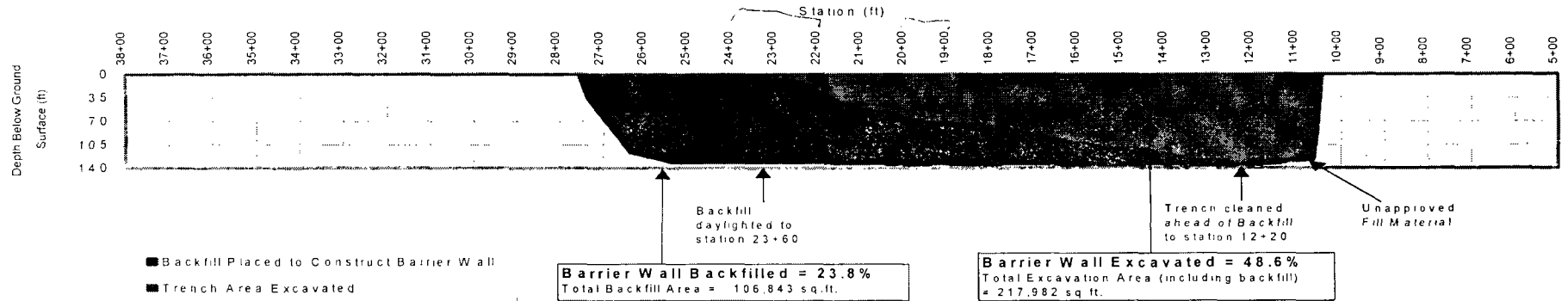


Construction Progress

Note: Data plotted for week through AM measurements on 2-13-04.

Some data points are interpolated between the available data points where trench depth measurements were read.

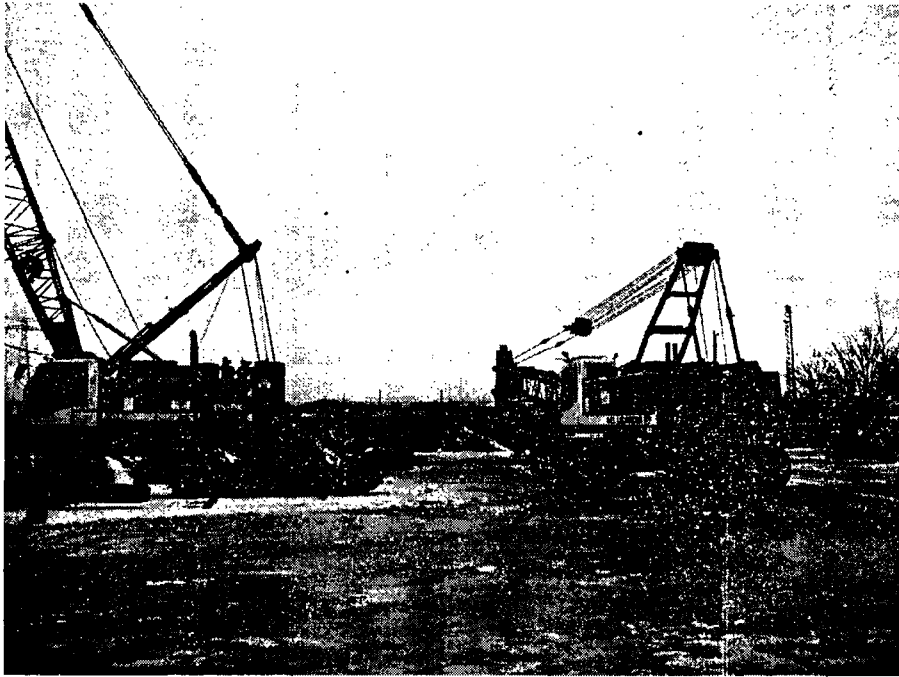
Graph 2 - Barrier Wall Construction Progress by February 13, 2004



Note: Data plotted for week through AM measurements on 2-13-04.

Backfill and Excavation Areas and Percentages are calculated daily by URS based on excavation logs from cranes

Photos from week – February 9, through February 13, 2004:



Demobilizing the Liebherr 843 hydraulic clamshell rig (February 9, 2004).